

**Title 15: Mississippi Department of Health**

**Part 12: Bureau of Emergency Medical Services**

**Subpart 31: Emergency Medical Services**

**Chapter 9 Critical Care Paramedic**

**Subchapter 1 Training Authority for Critical Care Paramedic**

Rule 9.1.1 The Critical Care Paramedic Course shall be offered through an approved Advanced Life Support Training Program approved through the Bureau of EMS (BEMS). These programs are set up through the Mississippi Community College System and are accredited through Committee on Accreditation of Education Programs for the EMS Professions (CoAEMSP). The guidelines and minimum standards are set forth in order to establish a minimum level of training for the Emergency Medical Technician at the advanced level desiring to receive Critical Care Paramedic status. The University of Mississippi Medical Center is authorized by the BEMS to conduct Critical Care Paramedic training programs statewide. All Critical Care Paramedic training programs must have the BEMS approval.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.1.2 Critical Care Paramedic training programs shall be advised regarding qualifications of program directors and instructors by a Critical Care Paramedic Advisory Committee as appointed by the Chairman of the Emergency Medical Services Advisory Council in consultation with the Chairman of the Medical Direction, Training and Quality Assurance.

*SOURCE: Miss. Code Ann. §41-59-5*

**Subchapter 2 Request for Approval of Critical Care Paramedic Training Programs**

Rule 9.2.1 Note: A list of BEMS approved Critical Care Paramedic training programs will be available at the BEMS office.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.2.2 Request for approval of Critical Care Paramedic training programs not contained on the approved list shall be sent to BEMS with evidence and verification that:

1. The education institution and its program director have been approved by the BEMS.

2. Critical Care Paramedic training programs meet, at minimum, the curriculum requirements set forth in this section.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.2.3 Mississippi Critical Care Paramedic (CCP) Educational Site Requirements: In order to qualify for approval to offer the Mississippi Critical Care Paramedic program, an educational institution must:

1. Be a BEMS approved Advanced Life Support (ALS) education site in good standing.
2. Have in place an adequate number of qualified faculty to offer the program. *Individual training programs will be responsible for credentialing their instructors. Individuals instructing within this curriculum must be knowledgeable in the area being presented. It is highly recommended that individual instructors have experience and expertise in their topic area. It is also recommended that instructors have Critical Care experience. A Critical Care Paramedic Program Coordinator must oversee all phases of the course.*

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.2.4 Instructor qualifications: Critical Care Paramedic Program Coordinator:

1. Licensed or Certified Flight Paramedic (FP-C) or Critical Care Paramedic (CCP) for a minimum of two years.
  - a. CV must be submitted and held on file by the program director of the sponsoring Advanced Life Support program.
  - b. Minimum of five years experience as a Paramedic (minimum of three years to be in critical care transport).
  - c. Minimum of three years teaching experience.
  - d. Current certifications in:
    - i. American Heart Association (AHA) Advanced Cardiac Life Support (ACLS)
    - ii. AHA Pediatric Advanced Life Support (PALS), Emergency Pediatric Care (EPC) or Pediatric Education for Prehospital Professionals (PEPP)
    - iii. Prehospital Trauma Life Support (PHTLS) or equivalent course.
  - e. Current Mississippi Critical Care Paramedic

- f. *Note: Until January 1, 2016, Critical Care Paramedic Program Coordinator may substitute number 3.a.vi. with current Mississippi certified Paramedic credentials.*
2. Instructor qualifications: Physician instructor qualifications:
- a. Emergency Medicine or Critical Care Medicine Board Certified or board eligible.
  - b. Minimum of three years clinical teaching experience.
3. Instructor qualifications: Nurse Practitioner/Physician Assistant instructor qualifications:
- a. Minimum of five years emergency or critical care clinical experience.
  - b. Minimum of three years teaching experience.
  - c. Current certification in AHA ACLS; PEPP or AHA PALS course; Trauma Course (Trauma Nursing Core Course (TNCC), Course for Advanced Trauma Nursing (CATN), etc.
4. Instructor qualifications: Registered Nurse instructor qualifications
- a. Minimum of five years critical care transport experience.
  - b. Minimum of three years teaching experience.
  - c. Current certification in AHA ACLS; PEPP or AHA PALS course; Trauma Course (TNCC, CATN, etc.)
  - d. Certified Flight Registered Nurse (CFRN), Critical Care Nursing Course (CCRN), Certified Transport Registered Nurse (CTRN), or Certified Emergency Nurse Certified Emergency Nurse (CEN) preferred.
5. Instructor qualifications: Paramedic instructor qualifications:
- a. Licensed or Certified Flight Paramedic (FP-C) or Critical Care Paramedic (CCP) for a minimum of two years.
  - b. Minimum of five years experience.
  - c. Minimum of three years teaching experience.
  - d. Current certifications in:
    - i. AHA ACLS
    - ii. AHA PALS, EPC or PEPP

- iii. PHTLS or equivalent course.
- 6. Instructor qualifications: Content Expert Instructor: Course Content Expert is an authority in a specific field of medicine. Experts must have a letter of recommendation or curriculum vitae (CV) detailing the extent and percentage of time spent in their area of expertise and must be approved by the program director of the sponsoring Advanced Life Support program. Each content expert can teach up to ten percent of the course.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.2.5 Facility Requirements

- 1. A designated medical director. The medical director must be board certified or board eligible in emergency medicine with optional co-medical director(s) in pediatric critical care medicine and/or adult critical care medicine.
- 2. Have adequate facilities to support the program.
- 3. Classroom and laboratory space adequate for the number of students enrolled.
- 4. A cadaver laboratory or high fidelity simulation laboratory (may be on-site or offered through a hospital or other educational institution with which there is a formal agreement.) If a simulation laboratory is utilized, manikins must be capable of simulating a variety of critical care scenarios including, but not limited to, unstable angina, acute myocardial infarction, cardiogenic shock, dysrhythmias, aortic dissection, stroke, electrolyte disturbances, pediatric specific emergencies, and traumatic injuries for all age groups.
- 5. Have in effect formal agreement(s) with medical center(s) offering the following services:
  - a. Current trauma center capability or designation of Level I or Level II;
  - b. Comprehensive Stroke Center;
  - c. Percutaneous Coronary Intervention (PCI) Center (with a 24 hour interventional cardiac catheterization laboratory);
  - d. A 24 hour emergency department staffed by full time board certified or board eligible emergency medicine physicians; and
  - e. Critical care units offering:
    - i. Insertion and maintenance of intra-aortic balloon pump and/or ventricular assist devices;
    - ii. Pulmonology;

- iii. Neurology;
- iv. Pediatric care

*SOURCE: Miss. Code Ann. §41-59-5*

### **Subchapter 3 Critical Care Paramedic Training Programs**

Rule 9.3.1 The programs must meet the same operational and record keeping standards for ALS training programs as established in these regulations.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.3.2 The critical care paramedic curriculum must be approved by the Mississippi Board for Community Colleges (MBCC), the Mississippi Emergency Medical Services Advisory Council (EMSAC) and the Medical Direction, Training and Quality Assurance Committee (MDTQA).

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.3.3 The program shall consist of, at minimum, three components: didactic instruction, hospital based clinical instruction and practical competency based evaluation. The time required to complete each component may vary, in part being dependent on the ability of students to demonstrate their mastery of the educational objectives by written, verbal, and practical examination.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.3.4 The length of the course shall not be less than 96 hours didactic, 60 hours lab and 90 hours clinical.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.3.5 Faculty must be presented with the program's educational objectives for use in preparation of lectures and clinical rotations. The Critical Care Paramedic Program Coordinator must ensure that stated educational objectives are covered and should answer any questions from students or clarify information presented by a lecturer.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.3.6 Materials presented shall provide students with:

1. The ability to provide for the on going care of a critically injured or ill patient during an interfacility transport and in other situations; to recognize the nature and seriousness of the patients condition or extent of injuries;
2. The ability to administer appropriate emergency medical care based on critical care knowledge and skills;

3. Labs and clinical must be competency based.

*SOURCE: Miss. Code Ann. §41-59-5*

#### **Subchapter 4** Critical Care Paramedic Training Programs

- Rule 9.4.1 The programs must meet the same operational and record keeping standards for ALS training programs as established in these regulations.

*SOURCE: Miss. Code Ann. §41-59-5*

- Rule 9.4.2 The critical care paramedic curriculum must be approved by the Mississippi Board for Community Colleges (MBCC), the Mississippi Emergency Medical Services Advisory Council (EMSAC) and the Medical Direction, Training and Quality Assurance Committee (MDTQA).

*SOURCE: Miss. Code Ann. §41-59-5*

- Rule 9.4.3 The program shall consist of, at minimum, three components: didactic instruction, hospital based clinical instruction and practical competency based evaluation. The time required to complete each component may vary, in part being dependent on the ability of students to demonstrate their mastery of the educational objectives by written, verbal, and practical examination.

*SOURCE: Miss. Code Ann. §41-59-5*

- Rule 9.4.4 The length of the course shall not be less than 96 hours didactic, 60 hours lab and 90 hours clinical.

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- Rule 9.4.5 Faculty must be presented with the program's educational objectives for use in preparation of lectures and clinical rotations. The Critical Care Paramedic Program Coordinator must ensure that stated educational objectives are covered and should answer any questions from students or clarify information presented by a lecturer.

*SOURCE: Miss. Code Ann. §41-59-5*

- Rule 9.4.6 Materials presented shall provide students with:

1. The ability to provide for the on going care of a critically injured or ill patient during an interfacility transport and in other situations; to recognize the nature and seriousness of the patients condition or extent of injuries;
2. The ability to administer appropriate emergency medical care based on critical care knowledge and skills;
3. Labs and clinical must be competency based

*SOURCE: Miss. Code Ann. §41-59-5*

**Subchapter 5** Critical Care Paramedic Training Programs, minimum admittance criteria

Rule 9.5.1 Certified as a Mississippi Paramedic;

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.5.2 No less than three years experience as a nationally registered paramedic.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.5.3 Must hold current certification in the American Heart Association's Advanced Cardiac Life Support (ACLS) and Pediatric Advanced Life Support (PALS) courses, and shall hold current certification in an advanced trauma care course such as Prehospital Trauma Life Support (PHTLS). These certifications may be waived as prerequisites if the educational program will include the provision of said certifications as part of the program.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.5.4 Other licensed healthcare providers may be admitted on a case by case basis with approval of the Critical Care Paramedic Program Coordinator.

*SOURCE: Miss. Code Ann. §41-59-5*

**Subchapter 6** Prerequisites for certification as a Critical Care Paramedic.

Rule 9.6.1 Must be currently certified as a Mississippi Paramedic in good standing.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.6.2 Completion of BEMS approved Critical Care Paramedic training program.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.6.3 Must successfully complete Board of Critical Care Transport Certification as Flight Paramedic (FP-C) or Critical Care Paramedic (CCP-C) examination.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.6.4 Must possess at a minimum an Associate's Degree from a regionally accredited college/university.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.6.5 *Note: Those individuals having successfully completed a Critical Care Paramedic program of at least 96 hours in length on or after January 1, 2010, but*

*before January 1, 2014, may receive credit for the didactic portion of the Mississippi Critical Care Paramedic training program until January 1, 2016.*

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.6.6     *Note: Those individuals actively working in a specialty care transport environment since successful completion of a Critical Care Paramedic program of at least 96 hours in length may receive credit for the didactic portion of the Mississippi Critical Care Paramedic training program until January 1, 2016.*

*SOURCE: Miss. Code Ann. §41-59-5*

### **Subchapter 7** Procedure to Obtain Certification as Critical Care Paramedic

Rule 9.7.1     Must submit an application and fees to BEMS for certification and provide proof of:

1.     Successful completion of a BEMS approved Critical Care Paramedic Training Program;
2.     Having been awarded – at minimum – an Associate’s Degree from a regionally accredited college/university.
3.     Current certification (FP-C or CCP-C); and,
4.     Must be obtained within two years of completion of an approved critical care paramedic training program.
5.     Jurisdictional Medical Control Agreement.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.7.2     Critical care paramedic shall expire with the EMT-Paramedic certification.

*SOURCE: Miss. Code Ann. §41-59-5*

### **Subchapter 8** Critical Care Paramedic Continuing Education Training

Rule 9.8.1     Continuing Education (CE) hours should have a clear and direct application to the practice of critical care paramedicine in the out-of-hospital setting.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.8.2     ALS Training Institutions providing the training shall track hours.

*SOURCE: Miss. Code Ann. §41-59-5*



Rule 9.8.3 Bi-Annual 24 hour Critical Care Paramedic Refresher Course from a BEMS approved Critical Care Paramedic training program. The Refresher Course shall include didactic and interactive skills labs.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.8.4 Forty-Eight Critical Care CE Hours Bi-Annually. (In addition to the Critical Care Paramedic Bi-Annual Refresher Course.) The off-line medical director shall ensure that the CE hours are spread as evenly as possible across the certification period.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.8.5 The EMS agency's off-line medical director shall sign off on each critical care paramedic continuing education requirement for submission to BEMS each certification period.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.8.6 Classes eligible for continuing education shall be critical care based and approved by the Continuing Education Coordinating Board for Emergency Medical Services (CECBEMS) or the Bureau of Emergency Medical Services (BEMS).

*SOURCE: Miss. Code Ann. §41-59-5*

### **Subchapter 9** Prerequisites for recertification as a Critical Care Paramedic.

Rule 9.9.1 Must be currently certified as a Mississippi Paramedic in good standing.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.9.2 Completion of continuing education requirements listed in this chapter.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.9.3 Provide proof of current Board of Critical Care Transport Certification as Flight Paramedic (FP-C) or Critical Care Paramedic (CCP-C) certification.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.9.4 Must possess at a minimum an Associate's Degree from a regionally accredited college/university.

*SOURCE: Miss. Code Ann. §41-59-5*

### **Subchapter 10** Procedure to Obtain Re-Certification as Critical Care Paramedic

Rule 9.10.1 Must submit an application and fees to BEMS for modification of the license by demonstrating:

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.10.2 Provide proof of current certification (FP-C or CCP-C); and,

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.10.3 Proof of completion of BEMS Approved CE Hours;

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.10.4 Proof of completion of BEMS Approved 24 hour Critical Care Bi-Annual Refresher.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.10.5 Jurisdictional Medical Control Agreement

*SOURCE: Miss. Code Ann. §41-59-5*

**Subchapter 11** Critical Care Paramedic, Grounds for Suspension or Revocation.: The BEMS may suspend or revoke a certificate or so issued at any time it is determined that the holder no longer meets the prescribed qualifications.

Rule 9.11.1 Fraud or any mis-statement of fact in the procurement of any certifications or in any other statement of representation to the Board or its representatives.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.2 Gross negligence.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.3 Repeated negligent acts.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.4 Incompetence.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.5 Disturbing the peace while on duty

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.6 Disregarding the speed regulations prescribed by law while on duty.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.7 Failure to maintain current registration by the National Registry of EMTs and current state certifications (Paramedic and Critical Care Paramedic) through BEMS approved process.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.8 Failure to maintain all current Critical Care training standards as required by the BEMS.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.9 The commission of any fraudulent dishonest, or corrupt act which is substantially related to the qualifications, functions, and duties of pre-hospital personnel.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.10 Conviction of any crime which is substantially related to the qualification, functions, and duties of pre-hospital personnel. The record of conviction or certified copy thereof will be conclusive evidence of such conviction.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.11 Violating or attempting to violate directly or indirectly, or assisting in or abetting the violation of, or conspiring to violate, any provision of this part of the regulations promulgated by the BEMS, pertaining to pre-hospital personnel.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.12 Violating or attempting to violate any federal or state statute or regulation which regulates narcotics, dangerous drugs, or controlled substances.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.13 Addiction to, excessive use of, or misuse of, alcoholic beverages, narcotics, dangerous drugs, or controlled substances.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.14 Functioning outside the supervision of medical control in the field care system operating at the local level, except as authorized by certification and license issued to the ALS provider.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.15 Permitting, aiding or abetting an unlicensed or uncertified person to perform activities requiring a license or certification.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.16 Suspension or revocation of any BEMS issued certification may effect other BEMS issued certifications at all levels.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.17 Failure to comply with the requirements of a Mississippi EMS scholarship program.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.18 Failure to comply with an employer's request for drug and alcohol testing.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.19 Failure to wear high visibility safety apparel that meets the requirements of the American National Standard for High Visibility Apparel ANSI/ISEA 107-2004 Performance Class 2 or Performance Class 3, or the ANSI/ISEA 207-2006 Standard while functioning within the right-of-way of any road, street, highway, or other area where vehicle or machinery traffic is present. All garments must have labels, affixed by the manufacturer in accordance with the standard, that indicate compliance with the Performance Class 2, Performance Class 3, or 207-2006 standard.

*SOURCE: Miss. Code Ann. §41-59-5*

## **Subchapter 12**      Occupation and Competency of Critical Care Paramedic

Rule 9.12.1 Description of the Occupation and Competency of the Critical Care Paramedic is to provide for the on going care of a critically injured or ill patient during interfacility transport or while on duty aboard a Specialty Care licensed vehicle.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.12.2 Job Summary: The following skills shall be utilized for critical care transport under the supervision of offline and/or online medical control. Provide patient care during transport and in special situations.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.12.3 *Note: Critical Care Paramedics may attend and transport by ambulance, patients who have pre-existing procedures or devices that are beyond the EMT's scope of practice if:*

1. *there is no need, or reasonably perceived need, for the device or procedure during transport; and*

2. *an individual (including the patient himself) that has received training and management of the procedure or device accompanies the patient to the destination.*
3. *Note: Should doubt exist in regards to the transport of any device or procedure, medical control should be contacted for medical direction.*

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.12.4 Initiate and manage ventilators;

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.12.5 Insert and/or manage surgical cricothyrotomy;

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.12.6 Initiate (with direct verbal order from medical control) and manage chest tubes;

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.12.7 Provide care for cardiac patients with, but not limited to, cardiac interventions and advanced therapeutic devices;

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.12.8 Initiate (with direct verbal order from medical control), access, monitor and manage radial arterial lines, to include any necessary anchoring techniques;

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.12.9 Access, monitor and manage central and arterial lines, to include hemodynamic monitoring;

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.12.10 Rapid Sequence Induction;

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.12.11 Initiate blood and blood products;

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.12.12 Interpret laboratory results of blood and urine specimens;

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.12.13 Initiate/administer, maintain and manage medications (excluding chemotherapeutic agents) required for the care of the critical care patient;

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.12.14 Initiate and manage urinary draining devices;

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.12.15 Perform escharotomy/fasciotomy (with direct verbal order from medical control);

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.12.16 Monitor and manage intracranial monitoring devices/drainage devices.

*SOURCE: Miss. Code Ann. §41-59-5*

### **Subchapter 13** Standards for the Critical Care Paramedic

Rule 9.13.1 The Critical Care Paramedic who functions within the State of Mississippi must be able to demonstrate the skills and understand the elements of total emergency care to the satisfaction of the local Critical Care Paramedic Program Coordinator.

*SOURCE: Miss. Code Ann. §41-59-5*

## **Title 15: Mississippi Department of Health**

### **Part 12: Bureau of Emergency Medical Services**

#### **Subpart 31: Emergency Medical Services**

### **Chapter 9** **Critical Care Paramedic**

#### **Subchapter 1** Training Authority for Critical Care Paramedic

Rule 9.1.1 The Critical Care Paramedic Course shall be offered through an approved Advanced Life Support Training Program approved through the Bureau of EMS (BEMS). These programs are set up through the Mississippi Community College System and are accredited through Committee on Accreditation of Education Programs for the EMS Professions (CoAEMSP). The guidelines and minimum standards are set forth in order to establish a minimum level of training for the Emergency Medical Technician at the advanced level desiring to receive Critical Care Paramedic status. The University of Mississippi Medical Center is authorized by the BEMS to conduct Critical Care Paramedic training programs statewide. All Critical Care Paramedic training programs must have the BEMS approval.

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Rule 9.1.2     Critical Care Paramedic training programs shall be advised regarding qualifications of program directors and instructors by a Critical Care Paramedic Advisory Committee as appointed by the Chairman of the Emergency Medical Services Advisory Council in consultation with the Chairman of the Medical Direction, Training and Quality Assurance.

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**Subchapter 2** Request for Approval of Critical Care Paramedic Training Programs

Rule 9.2.1     Note: A list of BEMS approved Critical Care Paramedic training programs will be available at the BEMS office.

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2.     Critical Care Paramedic training programs meet, at minimum, the curriculum requirements set forth in this section.

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1.     Be a BEMS approved Advanced Life Support (ALS) education site in good standing.
2.     Have in place an adequate number of qualified faculty to offer the program. Individual training programs will be responsible for credentialing their instructors. Individuals instructing within this curriculum must be knowledgeable in the area being presented. It is highly recommended that individual instructors have experience and expertise in their topic area. It is also recommended that instructors have Critical Care experience. A Critical Care Paramedic Program Coordinator must oversee all phases of the course.

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Rule 9.2.4     Instructor qualifications: Critical Care Paramedic Program Coordinator:

1. Licensed or Certified Flight Paramedic (FP-C) or Critical Care Paramedic (CCP) for a minimum of two years.
  - a. CV must be submitted and held on file by the program director of the sponsoring Advanced Life Support program.
  - b. Minimum of five years experience as a Paramedic (minimum of three years to be in critical care transport).
  - c. Minimum of three years teaching experience.
  - d. Current certifications in:
    - i. American Heart Association (AHA) Advanced Cardiac Life Support (ACLS)
    - ii. AHA Pediatric Advanced Life Support (PALS), Emergency Pediatric Care (EPC) or Pediatric Education for Prehospital Professionals (PEPP)
    - iii. Prehospital Trauma Life Support (PHTLS) or equivalent course.
  - e. Current Mississippi Critical Care Paramedic
  - f. *Note: Until January 1, 2016, Critical Care Paramedic Program Coordinator may substitute number 3.a.vi. with current Mississippi certified Paramedic credentials.*
2. Instructor qualifications: Physician instructor qualifications:
  - a. Emergency Medicine or Critical Care Medicine Board Certified or board eligible.
  - b. Minimum of three years clinical teaching experience.
3. Instructor qualifications: Nurse Practitioner/Physician Assistant instructor qualifications:
  - a. Minimum of five years emergency or critical care clinical experience.
  - b. Minimum of three years teaching experience.
  - c. Current certification in AHA ACLS; PEPP or AHA PALS course; Trauma Course (Trauma Nursing Core Course (TNCC), Course for Advanced Trauma Nursing (CATN), etc.
4. Instructor qualifications: Registered Nurse instructor qualifications
  - a. Minimum of five years critical care transport experience.



- b. Minimum of three years teaching experience.
  - c. Current certification in AHA ACLS; PEPP or AHA PALS course; Trauma Course (TNCC, CATN, etc.)
  - d. Certified Flight Registered Nurse (CFRN), Critical Care Nursing Course (CCRN), Certified Transport Registered Nurse (CTRN), or Certified Emergency Nurse Certified Emergency Nurse (CEN) preferred.
5. Instructor qualifications: Paramedic instructor qualifications:
- a. Licensed or Certified Flight Paramedic (FP-C) or Critical Care Paramedic (CCP) for a minimum of two years.
  - b. Minimum of five years experience.
  - c. Minimum of three years teaching experience.
  - d. Current certifications in:
    - i. AHA ACLS
    - ii. AHA PALS, EPC or PEPP
    - iii. PHTLS or equivalent course.
6. Instructor qualifications: Content Expert Instructor: Course Content Expert is an authority in a specific field of medicine. Experts must have a letter of recommendation or curriculum vitae (CV) detailing the extent and percentage of time spent in their area of expertise and must be approved by the program director of the sponsoring Advanced Life Support program. Each content expert can teach up to ten percent of the course.

SOURCE: Miss. Code Ann. §41-59-5

#### Rule 9.2.5 Facility Requirements

- 1. A designated medical director. The medical director must be board certified or board eligible in emergency medicine with optional co-medical director(s) in pediatric critical care medicine and/or adult critical care medicine.
- 2. Have adequate facilities to support the program.
- 3. Classroom and laboratory space adequate for the number of students enrolled.
- 4. A cadaver laboratory or high fidelity simulation laboratory (may be on-site or offered through a hospital or other educational institution with which there is a formal agreement.) If a simulation laboratory is utilized, manikins must be capable of simulating a variety of critical care scenarios including, but not limited

to, unstable angina, acute myocardial infarction, cardiogenic shock, dysrhythmias, aortic dissection, stroke, electrolyte disturbances, pediatric specific emergencies, and traumatic injuries for all age groups.

5. Have in effect formal agreement(s) with medical center(s) offering the following services:
  - a. Current trauma center capability or designation of Level I or Level II;
  - b. Comprehensive Stroke Center;
  - c. Percutaneous Coronary Intervention (PCI) Center (with a 24 hour interventional cardiac catheterization laboratory);
  - d. A 24 hour emergency department staffed by full time board certified or board eligible emergency medicine physicians; and
  - e. Critical care units offering:
    - i. Insertion and maintenance of intra-aortic balloon pump and/or ventricular assist devices;
    - ii. Pulmonology;
    - iii. Neurology;
    - iv. Pediatric care

*SOURCE: Miss. Code Ann. §41-59-5*

### **Subchapter 3 Critical Care Paramedic Training Programs**

- Rule 9.3.1 The programs must meet the same operational and record keeping standards for ALS training programs as established in these regulations.

*SOURCE: Miss. Code Ann. §41-59-5*

- Rule 9.3.2 The critical care paramedic curriculum must be approved by the Mississippi Board for Community Colleges (MBCC), the Mississippi Emergency Medical Services Advisory Council (EMSAC) and the Medical Direction, Training and Quality Assurance Committee (MDTQA).

*SOURCE: Miss. Code Ann. §41-59-5*

- Rule 9.3.3 The program shall consist of, at minimum, three components: didactic instruction, hospital based clinical instruction and practical competency based evaluation. The time required to complete each component may vary, in part being dependent on the ability of students to demonstrate their mastery of the educational objectives by written, verbal, and practical examination.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.3.4     The length of the course shall not be less than 96 hours didactic, 60 hours lab and 90 hours clinical.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.3.5     Faculty must be presented with the program's educational objectives for use in preparation of lectures and clinical rotations. The Critical Care Paramedic Program Coordinator must ensure that stated educational objectives are covered and should answer any questions from students or clarify information presented by a lecturer.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.3.6     Materials presented shall provide students with:

1.     The ability to provide for the on going care of a critically injured or ill patient during an interfacility transport and in other situations; to recognize the nature and seriousness of the patients condition or extent of injuries;
2.     The ability to administer appropriate emergency medical care based on critical care knowledge and skills;
3.     Labs and clinical must be competency based.

SOURCE: Miss. Code Ann. §41-59-5

#### **Subchapter 4 Critical Care Paramedic Training Programs**

Rule 9.4.1     The programs must meet the same operational and record keeping standards for ALS training programs as established in these regulations.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.4.2     The critical care paramedic curriculum must be approved by the Mississippi Board for Community Colleges (MBCC), the Mississippi Emergency Medical Services Advisory Council (EMSAC) and the Medical Direction, Training and Quality Assurance Committee (MDTQA).

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.4.3     The program shall consist of, at minimum, three components: didactic instruction, hospital based clinical instruction and practical competency based evaluation. The time required to complete each component may vary, in part being dependent on the ability of students to demonstrate their mastery of the educational objectives by written, verbal, and practical examination.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.4.4     The length of the course shall not be less than 96 hours didactic, 60 hours lab and 90 hours clinical.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.4.5     Faculty must be presented with the program's educational objectives for use in preparation of lectures and clinical rotations. The Critical Care Paramedic Program Coordinator must ensure that stated educational objectives are covered and should answer any questions from students or clarify information presented by a lecturer.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.4.6     Materials presented shall provide students with:

1.     The ability to provide for the on going care of a critically injured or ill patient during an interfacility transport and in other situations; to recognize the nature and seriousness of the patients condition or extent of injuries;
2.     The ability to administer appropriate emergency medical care based on critical care knowledge and skills;
3.     Labs and clinical must be competency based

*SOURCE: Miss. Code Ann. §41-59-5*

**Subchapter 5** Critical Care Paramedic Training Programs, minimum admittance criteria

Rule 9.5.1     Certified as a Mississippi Paramedic;

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.5.2     No less than three years experience as a nationally registered paramedic.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.5.3     Must hold current certification in the American Heart Association's Advanced Cardiac Life Support (ACLS) and Pediatric Advanced Life Support (PALS) courses, and shall hold current certification in an advanced trauma care course such as Prehospital Trauma Life Support (PHTLS). These certifications may be waived as prerequisites if the educational program will include the provision of said certifications as part of the program.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.5.4     Other licensed healthcare providers may be admitted on a case by case basis with approval of the Critical Care Paramedic Program Coordinator.

*SOURCE: Miss. Code Ann. §41-59-5*

**Subchapter 6** Prerequisites for certification as a Critical Care Paramedic.

Rule 9.6.1 Must be currently certified as a Mississippi Paramedic in good standing.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.6.2 Completion of BEMS approved Critical Care Paramedic training program.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.6.3 Must successfully complete Board of Critical Care Transport Certification as Flight Paramedic (FP-C) or Critical Care Paramedic (CCP-C) examination.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.6.4 Must possess at a minimum an Associate's Degree from a regionally accredited college/university.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.6.5 *Note: Those individuals having successfully completed a Critical Care Paramedic program of at least 96 hours in length on or after January 1, 2010, but before January 1, 2014, may receive credit for the didactic portion of the Mississippi Critical Care Paramedic training program until January 1, 2016.*

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.6.6 *Note: Those individuals actively working in a specialty care transport environment since successful completion of a Critical Care Paramedic program of at least 96 hours in length may receive credit for the didactic portion of the Mississippi Critical Care Paramedic training program until January 1, 2016.*

*SOURCE: Miss. Code Ann. §41-59-5*

**Subchapter 7** Procedure to Obtain Certification as Critical Care Paramedic

Rule 9.7.1 Must submit an application and fees to BEMS for certification and provide proof of:

1. Successful completion of a BEMS approved Critical Care Paramedic Training Program;
2. Having been awarded – at minimum – an Associate's Degree from a regionally accredited college/university.
3. Current certification (FP-C or CCP-C); and,
4. Must be obtained within two years of completion of an approved critical care paramedic training program.

5. Jurisdictional Medical Control Agreement.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.7.2 Critical care paramedic shall expire with the EMT-Paramedic certification.

SOURCE: Miss. Code Ann. §41-59-5

**Subchapter 8** Critical Care Paramedic Continuing Education Training

Rule 9.8.1 Continuing Education (CE) hours should have a clear and direct application to the practice of critical care paramedicine in the out-of-hospital setting.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.8.2 ALS Training Institutions providing the training shall track hours.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.8.3 Bi-Annual 24 hour Critical Care Paramedic Refresher Course from a BEMS approved Critical Care Paramedic training program. The Refresher Course shall include didactic and interactive skills labs.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.8.4 Forty-Eight Critical Care CE Hours Bi-Annually. (In addition to the Critical Care Paramedic Bi-Annual Refresher Course.) The off-line medical director shall ensure that the CE hours are spread as evenly as possible across the certification period.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.8.5 The EMS agency's off-line medical director shall sign off on each critical care paramedic continuing education requirement for submission to BEMS each certification period.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.8.6 Classes eligible for continuing education shall be critical care based and approved by the Continuing Education Coordinating Board for Emergency Medical Services (CECBEMS) or the Bureau of Emergency Medical Services (BEMS).

SOURCE: Miss. Code Ann. §41-59-5

**Subchapter 9** Prerequisites for recertification as a Critical Care Paramedic.

Rule 9.9.1 Must be currently certified as a Mississippi Paramedic in good standing.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.9.2 Completion of continuing education requirements listed in this chapter.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.9.3 Provide proof of current Board of Critical Care Transport Certification as Flight Paramedic (FP-C) or Critical Care Paramedic (CCP-C) certification.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.9.4 Must possess at a minimum an Associate's Degree from a regionally accredited college/university.

*SOURCE: Miss. Code Ann. §41-59-5*

**Subchapter 10** Procedure to Obtain Re-Certification as Critical Care Paramedic

Rule 9.10.1 Must submit an application and fees to BEMS for modification of the license by demonstrating:

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.10.2 Provide proof of current certification (FP-C or CCP-C); and,

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.10.3 Proof of completion of BEMS Approved CE Hours;

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.10.4 Proof of completion of BEMS Approved 24 hour Critical Care Bi-Annual Refresher.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.10.5 Jurisdictional Medical Control Agreement

*SOURCE: Miss. Code Ann. §41-59-5*

**Subchapter 11** Critical Care Paramedic, Grounds for Suspension or Revocation.: The BEMS may suspend or revoke a certificate or so issued at any time it is determined that the holder no longer meets the prescribed qualifications.

Rule 9.11.1 Fraud or any mis-statement of fact in the procurement of any certifications or in any other statement of representation to the Board or its representatives.

*SOURCE: Miss. Code Ann. §41-59-5*

Rule 9.11.2 Gross negligence.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.11.3 Repeated negligent acts.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.11.4 Incompetence.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.11.5 Disturbing the peace while on duty

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.11.6 Disregarding the speed regulations prescribed by law while on duty.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.11.7 Failure to maintain current registration by the National Registry of EMTs and current state certifications (Paramedic and Critical Care Paramedic) through BEMS approved process.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.11.8 Failure to maintain all current Critical Care training standards as required by the BEMS.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.11.9 The commission of any fraudulent dishonest, or corrupt act which is substantially related to the qualifications, functions, and duties of pre-hospital personnel.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.11.10 Conviction of any crime which is substantially related to the qualification, functions, and duties of pre-hospital personnel. The record of conviction or certified copy thereof will be conclusive evidence of such conviction.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.11.11 Violating or attempting to violate directly or indirectly, or assisting in or abetting the violation of, or conspiring to violate, any provision of this part of the regulations promulgated by the BEMS, pertaining to pre-hospital personnel.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.11.12 Violating or attempting to violate any federal or state statute or regulation which regulates narcotics, dangerous drugs, or controlled substances.



SOURCE: Miss. Code Ann. §41-59-5

Rule 9.11.13 Addiction to, excessive use of, or misuse of, alcoholic beverages, narcotics, dangerous drugs, or controlled substances.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.11.14 Functioning outside the supervision of medical control in the field care system operating at the local level, except as authorized by certification and license issued to the ALS provider.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.11.15 Permitting, aiding or abetting an unlicensed or uncertified person to perform activities requiring a license or certification.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.11.16 Suspension or revocation of any BEMS issued certification may effect other BEMS issued certifications at all levels.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.11.17 Failure to comply with the requirements of a Mississippi EMS scholarship program.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.11.18 Failure to comply with an employer's request for drug and alcohol testing.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.11.19 Failure to wear high visibility safety apparel that meets the requirements of the American National Standard for High Visibility Apparel ANSI/ISEA 107-2004 Performance Class 2 or Performance Class 3, or the ANSI/ISEA 207-2006 Standard while functioning within the right-of-way of any road, street, highway, or other area where vehicle or machinery traffic is present. All garments must have labels, affixed by the manufacturer in accordance with the standard, that indicate compliance with the Performance Class 2, Performance Class 3, or 207-2006 standard.

SOURCE: Miss. Code Ann. §41-59-5

## **Subchapter 12**      Occupation and Competency of Critical Care Paramedic

Rule 9.12.1 Description of the Occupation and Competency of the Critical Care Paramedic is to provide for the on going care of a critically injured or ill patient during interfacility transport or while on duty aboard a Specialty Care licensed vehicle.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.12.2 Job Summary: The following skills shall be utilized for critical care transport under the supervision of offline and/or online medical control. Provide patient care during transport and in special situations.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.12.3 Note: Critical Care Paramedics may attend and transport by ambulance, patients who have pre-existing procedures or devices that are beyond the EMT's scope of practice if:

1. there is no need, or reasonably perceived need, for the device or procedure during transport; and
2. an individual (including the patient himself) that has received training and management of the procedure or device accompanies the patient to the destination.
3. Note: Should doubt exist in regards to the transport of any device or procedure, medical control should be contacted for medical direction.

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.12.4 Initiate and manage ventilators;

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.12.5 Insert and/or manage surgical cricothyrotomy;

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.12.6 Initiate (with direct verbal order from medical control) and manage chest tubes;

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.12.7 Provide care for cardiac patients with, but not limited to, cardiac interventions and advanced therapeutic devices;

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.12.8 Initiate (with direct verbal order from medical control), access, monitor and manage radial arterial lines, to include any necessary anchoring techniques;

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.12.9 Access, monitor and manage central and arterial lines, to include hemodynamic monitoring;

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.12.10 Rapid Sequence Induction;

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.12.11 Initiate blood and blood products;

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.12.12 Interpret laboratory results of blood and urine specimens;

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.12.13 Initiate/administer, maintain and manage medications (excluding chemotherapeutic agents) required for the care of the critical care patient;

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.12.14 Initiate and manage urinary draining devices;

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.12.15 Perform escharotomy/fasciotomy (with direct verbal order from medical control);

SOURCE: Miss. Code Ann. §41-59-5

Rule 9.12.16 Monitor and manage intracranial monitoring devices/drainage devices.

SOURCE: Miss. Code Ann. §41-59-5

### **Subchapter 13**      Standards for the Critical Care Paramedic

Rule 9.13.1      The Critical Care Paramedic who functions within the State of Mississippi must be able to demonstrate the skills and understand the elements of total emergency care to the satisfaction of the local Critical Care Paramedic Program Coordinator.

SOURCE: Miss. Code Ann. §41-59-5